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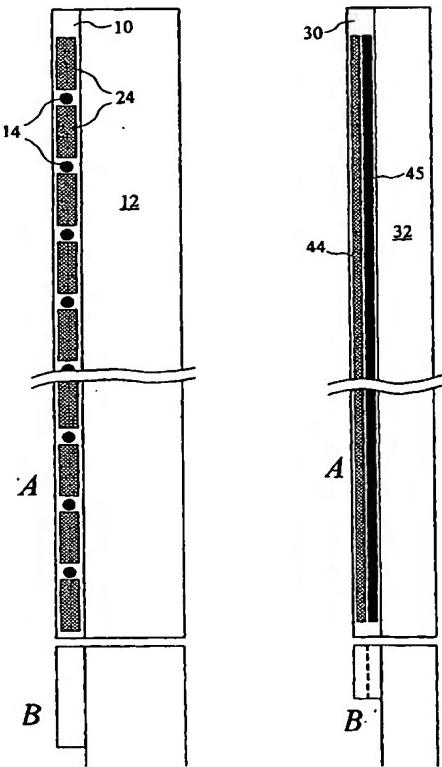
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[Continued on next page]

(54) Title: MULTIFUNCTION EDGE DEVICE FOR POWERED DOORS



(57) Abstract: An edge device for an elevator door includes an elongate array of infrared transmitters and/or receivers and a proximate elongate array of illuminable elements, both arrays extending for a substantial part of the length of the door. The illuminable elements are adapted to be illuminated when the door is in motion. The two arrays are disposed in a common carrier structure, being either vertically interleaved or extending vertically in parallel with each other.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B66B13/26 E05F15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B66B E05F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 12, 3 January 2001 (2001-01-03) & JP 2000 238985 A (HITACHI BUILDING SYSTEMS CO LTD), 5 September 2000 (2000-09-05) abstract</p> <hr/> <p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 17, 5 June 2001 (2001-06-05) & JP 8 259156 A (OTIS ELEVATOR CO), 8 October 1996 (1996-10-08) abstract</p> <hr/> <p style="text-align: center;">-/-</p>	1-13
Y		1-13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/GB2004/001764

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 08, 29 September 1995 (1995-09-29) & JP 7 137970 A (MITSUBISHI DENKI BILL TECHNO SERVICE KK), 30 May 1995 (1995-05-30). abstract	1,5,7, 9-13
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Y	page 5, line 17 - page 12, line 15	15-19, 28,30
A		25,27
X	US 5 325 271 A (HUTCHISSON JAMES T) 28 June 1994 (1994-06-28)	14,15, 20-25, 27-30
Y	column 3, line 8 - column 5, line 52	16-19, 28,30
A		26
X	EP 0 350 154 A (PARKER HANNIFIN CORP) 10 January 1990 (1990-01-10)	14,15, 20-24
Y	column 2, line 25 - column 3, line 41	15-19, 28,30
A		25
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Y	column 2, lines 7-34	15-19,30
A		21,25,26
X	EP 1 258 395 A (FIAT RICERCHE) 20 November 2002 (2002-11-20)	14,15, 20-25, 28-30
Y	column 1, line 45 - column 2, line 36	16-19,30 21,26,27
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INTERNATIONAL SEARCH REPORT

Int'l Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3 875 456 A (KANO TSUYOSHI ET AL) 1 April 1975 (1975-04-01) column 2, line 41 - column 6, line 34	15-19, 28,30

INTERNATIONAL SEARCH REPORT

International application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(e).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13

An edge device for a powered door, comprising elongated arrays of transmitters and receivers, and elongate illuminable elements adapted to be illuminated when the door is open so as to be visible to users.

2. claims: 14-30

An edge device illuminable element being elongate and comprising at least one localised source of light and a light-emitting surface.

INTERNATIONAL SEARCH REPORT

 Int'l Application No
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